



DECLARATION & POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My correct city and state of residence, my post office address and my citizenship are stated below next to my name.

I believe myself to be the original, first and sole inventor (if only one name is listed below) or an original and first joint inventor (if more than one name is listed below) of the subject matter which is disclosed and claimed and for which a patent is sought on the invention entitled:

"Methods and Systems for Providing a Virtual Touch Haptic Effect to Handheld Communication Devices"

The specification of this subject matter:

- ☐ is attached hereto.
- ☒ was filed on June 8, 2005 as United States Application Number 10/538,161
and was amended on _____ (if applicable).
- ☒ was filed on December 8, 2003 as PCT International Application Number PCT/US2003/038862
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified patent application, including the claims, as amended by any amendment(s) referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. §1.56(a).

I hereby claim foreign priority benefits under 35 U.S.C. §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN APPLICATION(S)

Priority Claimed

**Certified Copy
Attached?**

Number	Country	Month/Day/Year Filed	Yes	No	Yes	No

PROVISIONAL PATENT APPLICATION(S)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

<u>60/431,662</u>	<u>December 8, 2002</u>
Application Number	Filing Date

PARENT PATENT APPLICATION(S)

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in these prior United States application(s) in the manner provided by 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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I hereby appoint practitioners associated with **Customer Number: 60,140** as attorneys of record with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith. If this application is assigned by me I agree and understand that the above-named attorneys will represent the assignee and not me.

Please send all correspondence and direct all telephone calls to the address associated with

Customer Number 60,140.

I, the undersigned, declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

FULL NAME OF INVENTOR 1		MIDDLE Initial(s)	LAST Name	
Danny		A.	Grant	
RESIDENCE AND CITY	City	State or Foreign Country	Country of Citizenship	

Montreal		Quebec, Canada	Canada	
POST OFFICE ADDRESS	Number and Street	City	State or Country	Zip Code
5961 de la Roche, #4		Montreal	Quebec, Canada	H2S 2C8

FULL NAME OF INVENTOR 2		MIDDLE Initial(s)	LAST Name	
Jeffrey			Eid	
RESIDENCE AND CITY	City	State or Foreign Country	Country of Citizenship	

Danville		California	USA	
POST OFFICE ADDRESS	Number and Street	City	State or Country	Zip Code
105 Shadwell Drive		Danville	California	94506

FULL NAME OF INVENTOR 3		MIDDLE Initial(s)	LAST Name	
Shoichi			Endo	
RESIDENCE AND CITY	City	State or Foreign Country	Country of Citizenship	

Cupertino		California	Japan	
POST OFFICE ADDRESS	Number and Street	City	State or Country	Zip Code
20268 Northwest Square		Cupertino	California	95014

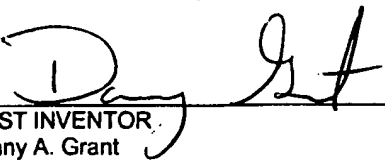
FULL NAME OF INVENTOR 4		MIDDLE Initial(s)	LAST Name	
Erik		J.	Shahoian	
RESIDENCE AND CITY	City	State or Foreign Country	Country of Citizenship	

San Ramon		California	USA	
POST OFFICE ADDRESS	Number and Street	City	State or Country	Zip Code
3208 El Suyo Drive		San Ramon	California	94583

FULL NAME OF INVENTOR 5		MIDDLE Initial(s)	LAST Name	
Dean		C.	Chang	
RESIDENCE AND CITY	City	State or Foreign Country	Country of Citizenship	

Gaithersburg		Maryland	USA	
POST OFFICE ADDRESS	Number and Street	City	State or Country	Zip Code
330 Alderwood Drive		Gaithersburg	Maryland	20878

I further declare that all statements made herein of my own knowledge are true and that all statements made upon information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

 06/04/25

FIRST INVENTOR Date
Danny A. Grant

SECOND INVENTOR Date
Jeffrey Eid

THIRD INVENTOR Date
Shoichi Endo

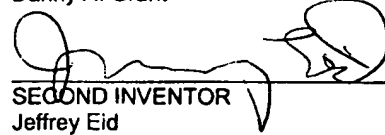

FOURTH INVENTOR Date
Erik J. Shohian

FIFTH INVENTOR Date
Dean C. Chang

I further declare that all statements made herein of my own knowledge are true and that all statements made upon information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FIRST INVENTOR
Danny A. Grant

Date

  4/25/06

SECOND INVENTOR
Jeffrey Eid

Date

THIRD INVENTOR
Shoichi Endo

Date

FOURTH INVENTOR
Erik J. Shohian

Date

FIFTH INVENTOR
Dean C. Chang

Date

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FIRST INVENTOR
Danny A. Grant

Date

SECOND INVENTOR
Jeffrey Eid

Date

THIRD INVENTOR
Sholchi Endo

Date


4/25/2006

FOURTH INVENTOR
Erik J. Shohian

Date

FIFTH INVENTOR
Dean C. Chang

Date

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FIRST INVENTOR
Danny A. Grant

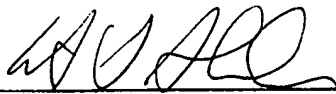
Date

SECOND INVENTOR
Jeffrey Eid

Date

THIRD INVENTOR
Shoichi Endo

Date



5-19-06

FOURTH INVENTOR
Erik J. ~~Shohian~~ Shahorian

Date

FIFTH INVENTOR
Dean C. Chang

Date

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FIRST INVENTOR

Date

Danny A. Grant

SECOND INVENTOR

Date

Jeffrey Eid

THIRD INVENTOR

Date

Shoichi Endo

FOURTH INVENTOR

Date

Erik J. Shohian



5/25/06

FIFTH INVENTOR

Date

Dean C. Chang

37 C.F.R. §1.56**Duty to disclose information material to patentability**

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.



Docket No.: IMMR-0152D (034701-000517)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Danny A. Grant et al.
SERIAL NO.: 10/538,161
FILING DATE: June 8, 2005
TITLE: Methods and Systems for Providing a Virtual Touch Haptic Effect to Handheld Communication Devices
EXAMINER: unassigned
ART UNIT: unassigned

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Missing Parts, Commissioner for Patents, Alexandria, VA 22313-1450, on the date printed below:

Date: 6/14/06

Name: 
Monica Pizarro

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


DECLARATION OF LACK OF DECEPTIVE INTENT

I, ^{Shahorian}~~Erik J. Shohian~~, am an inventor of the subject matter claimed in US Patent Application

Serial Number 10/538,161 which claims priority from PCT Application Number

PCT/US2003/038862 in which I was not named as an inventor. I hereby confirm that any error

in inventorship in the international application occurred without deceptive intention on my part.

By: 
Date: 5-19-06



Docket No.: IMMR-0152D (034701-000517)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Danny A. Grant et al.
SERIAL NO.: 10/538,161
FILING DATE: June 8, 2005
TITLE: Methods and Systems for Providing a Virtual Touch Haptic Effect to Handheld Communication Devices
EXAMINER: unassigned
ART UNIT: unassigned

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Date: 6/14/06

Name: 
Monica Pizarro

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION OF LACK OF DECEPTIVE INTENT

I, Dean C. Chang, am an inventor of the subject matter claimed in US Patent Application Serial Number 10/538,161 which claims priority from PCT Application Number PCT/US2003/038862 in which I was not named as an inventor. I hereby confirm that any error in inventorship in the international application occurred without deceptive intention on my part.

By: 

Date: 5/25/06



Docket No.: IMMR-0152D (034701-000517)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Danny A. Grant et al.

SERIAL NO.: 10/538,161

FILING DATE: June 8, 2005

TITLE: Methods and Systems for Providing a Virtual Touch Haptic Effect to Handheld Communication Devices

EXAMINER: unassigned

ART UNIT: unassigned

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Date: 6/14/06

Name: Monica Pizarro

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CONSENT OF ASSIGNEE

Dear Sir:

I, Laura Peter, am Vice President and General Counsel of Immersion Corporation and am authorized to execute this Consent of Assignee. Immersion Corporation hereby consents to the addition of inventors Erik J. Shohian and Dean C. Chang to the above-captioned patent application.

By: Laura A. Peter

Date: 21 April 2006



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PTO/SB/96 (09-04)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Immersion CorporationApplication No./Patent No.: 10/538,161Filed/Issue Date: June 8, 2005Entitled: Methods and Systems for Providing a Virtual Touch Haptic Effect to Handheld Communication DevicesImmersion Corporation, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
 2. ☐ an assignee of less than the entire right, title, and interest
- The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

Laura A. Peter

Printed or Typed Name

Vice President and General
Counsel

Title

21 April 2006

Date

408.467.1900

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ASSIGNMENT

WHEREAS, we, Danny A. Grant, a citizen of Canada, residing at 5961 Rue de la Roche #4, Montreal, Quebec H2S 2C8, Canada, Jeffrey Eid, a citizen of the United States of America, residing at 105 Shadwell Drive, Danville, CA 94506, Shoichi Endo, a citizen of Japan, residing at 20268 Northwest Square, Cupertino, CA 95014, Erik J. ^{Shohian}~~Shohian~~, a citizen of the United States of America, residing at 3208 El Suyo Drive, San Ramon, CA 94583 and Dean C. Chang, a citizen of the United States of America, residing at 330 Alderwood Drive, Gaithersburg, MD 20878, have invented an **"Methods and Systems for Providing a Virtual Touch Haptic Effect to Handheld Communication Devices"** for which we have executed application papers for a U.S. patent thereon, which was filed on June 8, 2005, serial no. 10/538,161; and

WHEREAS, Immersion Corporation, a Delaware corporation, having a place of business located at 801 Fox Lane, San Jose, CA 95131, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Danny A. Grant, Jeffrey Eid, Shoichi Endo, Erik J. Shohian and Dean C. Chang, do sell, assign, transfer and set over unto the said Immersion Corporation, its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Immersion Corporation, its successors and assigns, in accordance with this Assignment.

[ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: **Methods and Systems for Providing a Virtual Touch Haptic Effect to Handheld Communication Devices**
Inventor: Jeffrey Eid

WITNESS MY HAND at SAN JOSE, CA, this
25th day of April, 2006.
(date) (month) (year)

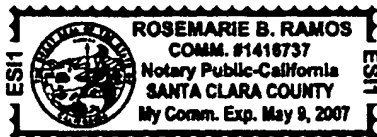
Jeffrey Eid
Jeffrey Eid

STATE OF CALIFORNIA)

COUNTY OF Santa Clara) ss.

On this 25th day of April, 2006, before me,
Rosemarie B. Ramos, a Notary Public, personally appeared Jeffrey Eid, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person/s whose name is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacities, and that by his/~~her/their~~ signature/s on the instrument the person/s or the entity upon behalf of which the person/s acted, executed the instrument.

WITNESS my hand and official seal.




Rosemarie B. Ramos
NOTARY PUBLIC

[ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: **Methods and Systems for Providing a Virtual Touch Haptic Effect to Handheld Communication Devices**
Inventor: Shoichi Endo

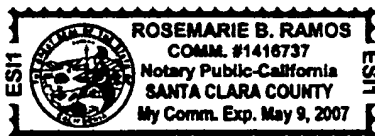
WITNESS MY HAND at San Jose, CA, this
(city, state)
25 day of April, 2006.
(date) (month) (year)

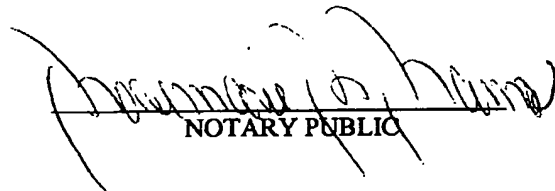

Shoichi Endo

STATE OF CALIFORNIA)
COUNTY OF Santa Clara) ss.

On this 25 day of April, 2006, before me,
Rosemarie B. Ramos, a Notary Public, personally appeared Shoichi Endo, personally known
to me (or proved to me on the basis of satisfactory evidence) to be the person/s whose name is/~~are~~-
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacities, and that by his/her/their signature/s on the instrument the person/s or
the entity upon behalf of which the person/s acted, executed the instrument.

WITNESS my hand and official seal.



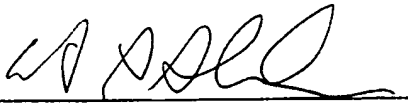

NOTARY PUBLIC

[ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: **Methods and Systems for Providing a Virtual Touch Haptic Effect to Handheld Communication Devices**

Inventor: Erik J. ~~Shohian~~ *Shahorian*

WITNESS MY HAND at San Ramon, California, this
(city, state)
19 day of May, 2006.
(date) (month) (year)


Erik J. ~~Shohian~~ *Shahorian*

STATE OF CALIFORNIA)
) ss.
COUNTY OF _____)

On this _____ day of _____, _____, before me,
_____, a Notary Public, personally appeared Erik J. Shohian, personally known
to me (or proved to me on the basis of satisfactory evidence) to be the person/s whose name is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacities, and that by his/her/their signature/s on the instrument the person/s or
the entity upon behalf of which the person/s acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

